

Fig. 1

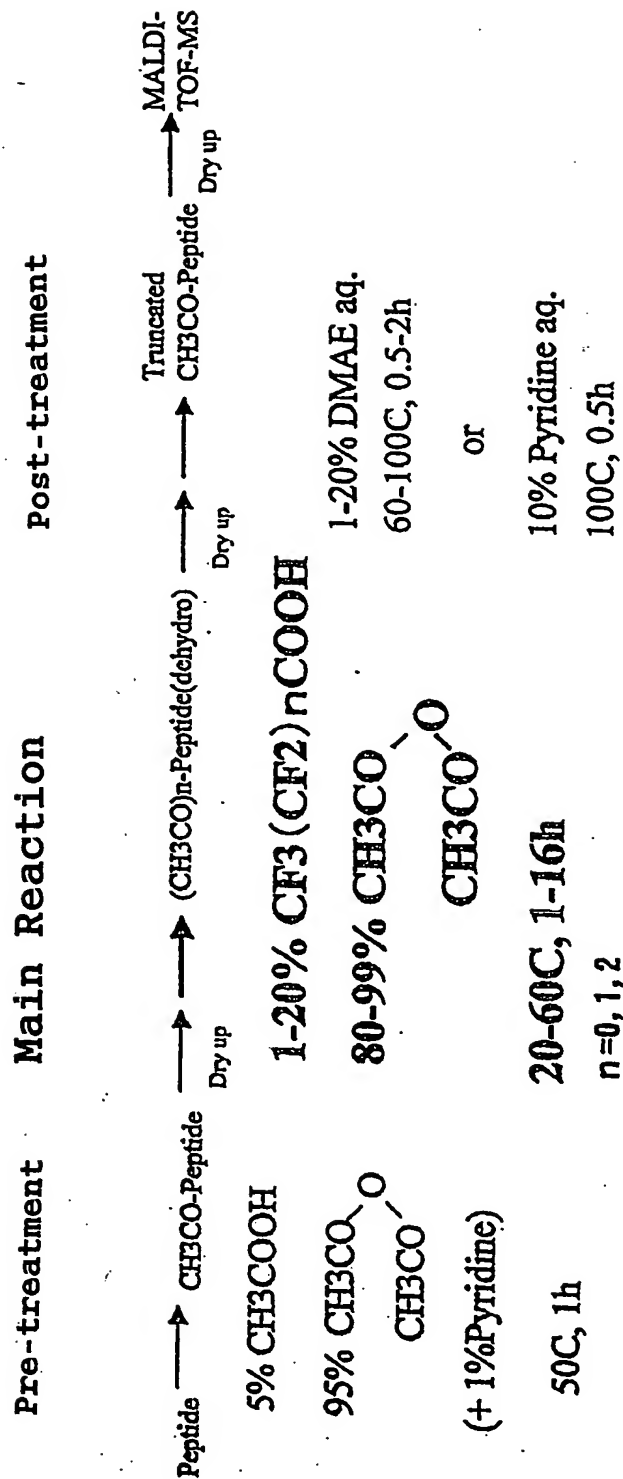


Fig. 2

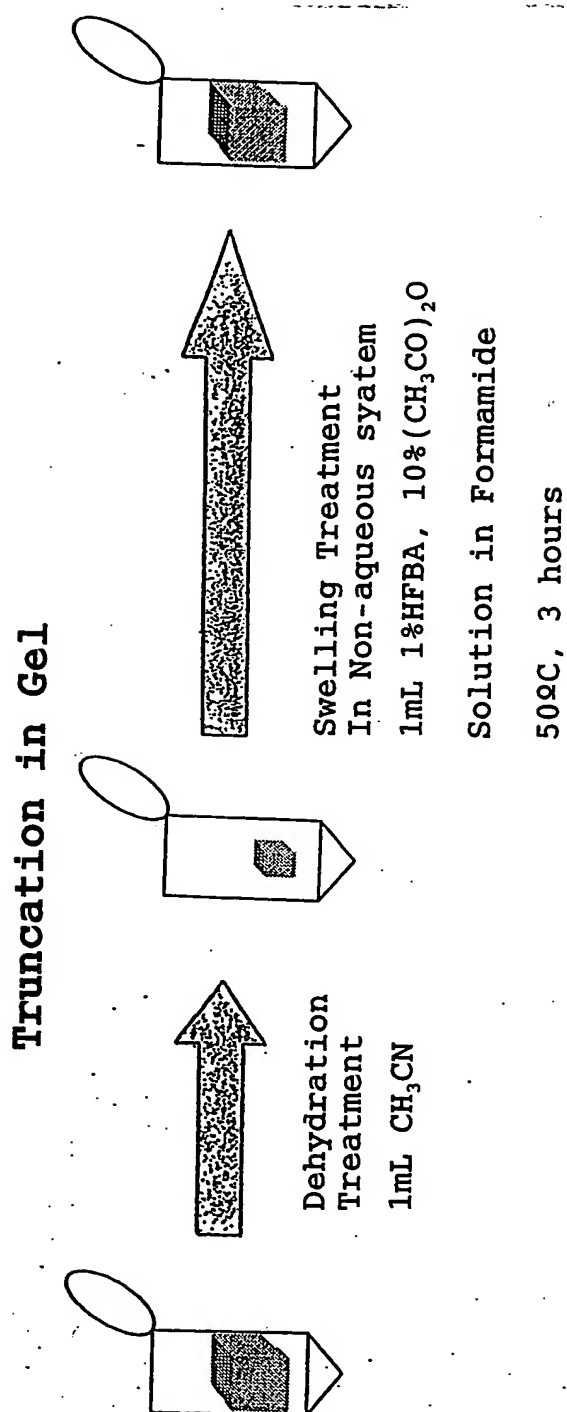


Fig. 3

MALDI-TOF MS on positive mode

Mb, 3h in test tube

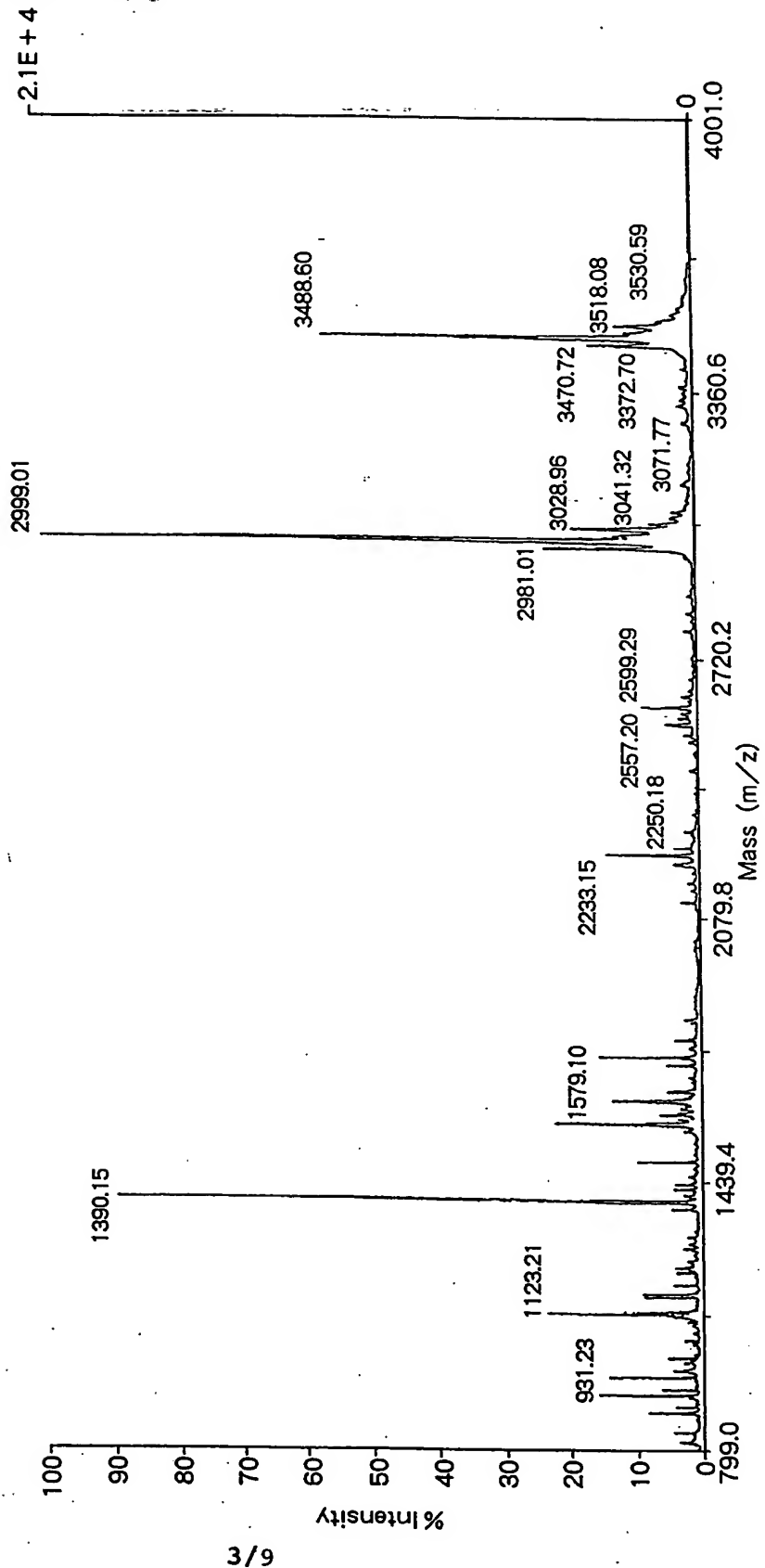
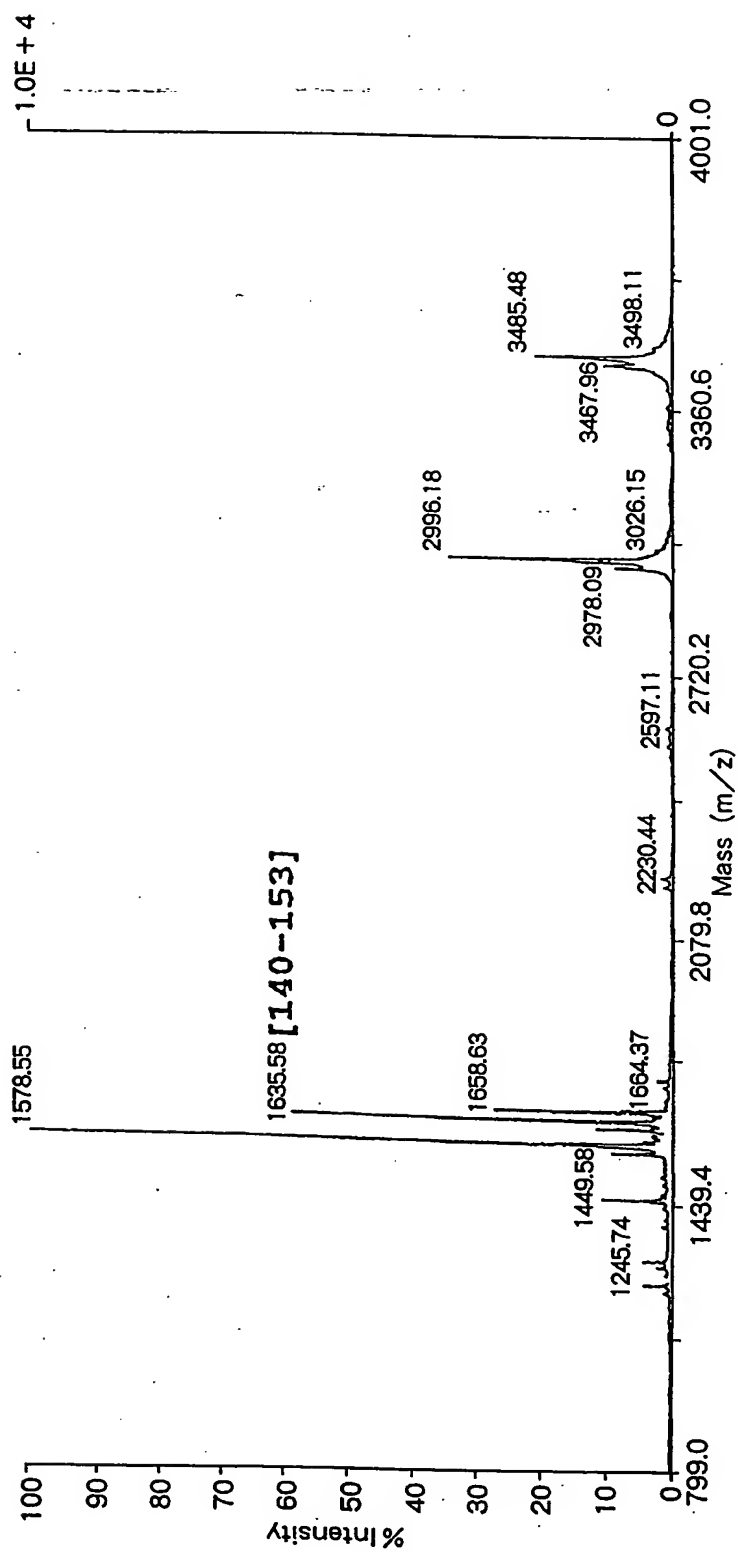


Fig. 4

MALDI-TOF MS on negative mode

Mb, 3h in test tube



Mb truncation in gel on negative mode

Fig. 5

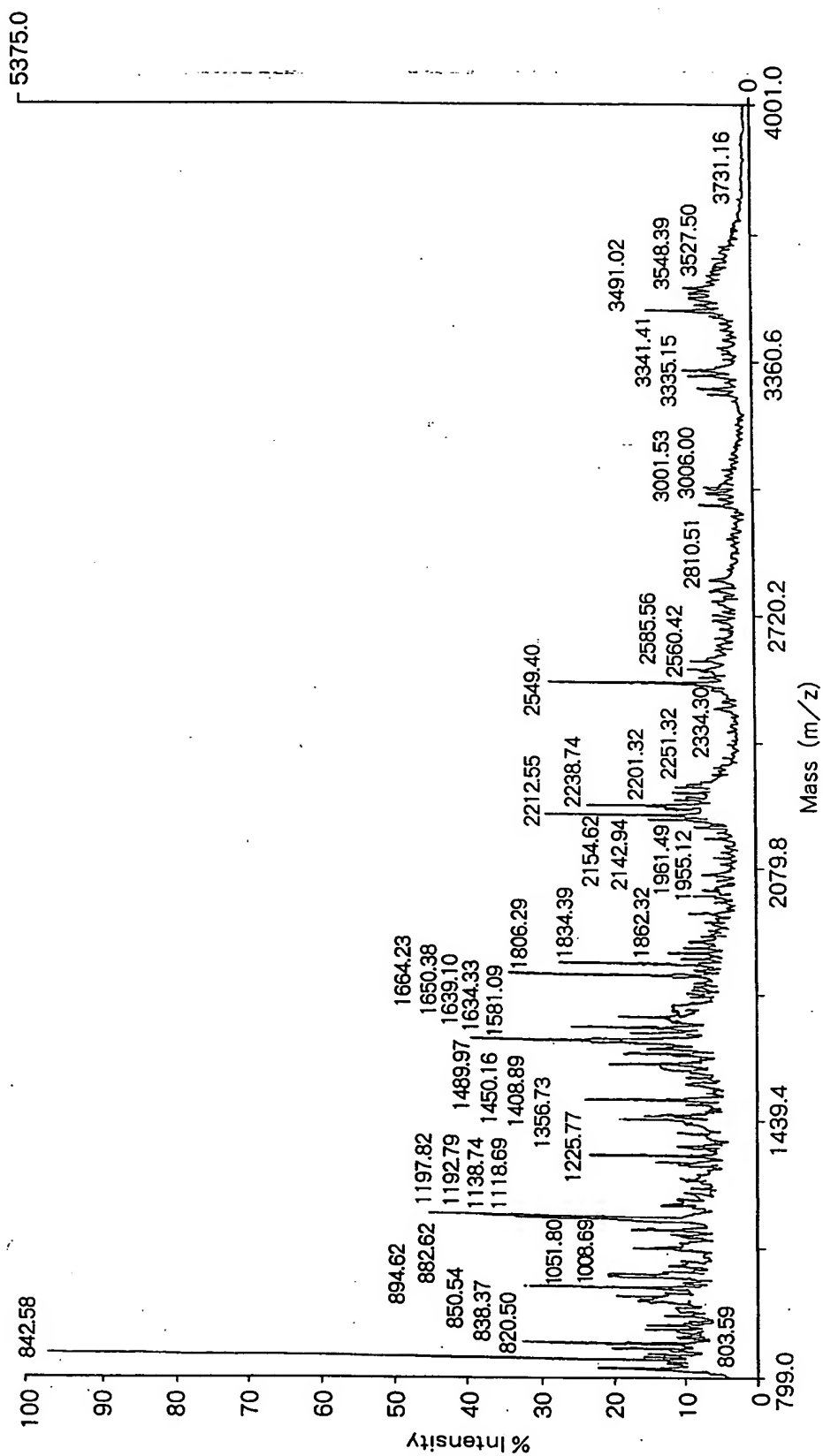


Fig. 6

Mb truncation in gel on positive mode

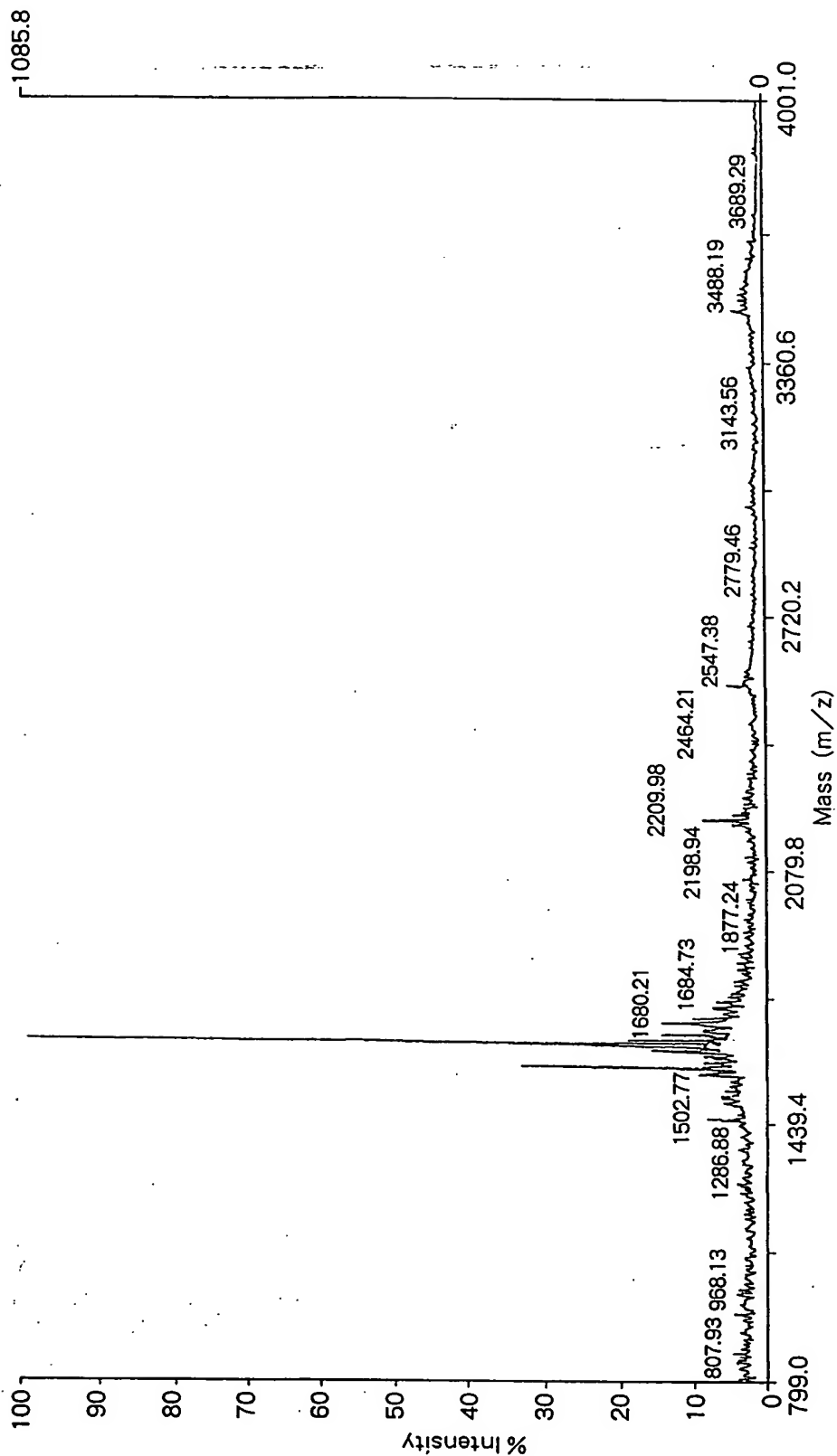


Fig. 7

myoglobin - horse.

[1 - 153] mass = 17738.180
Cleavage at R

Small polar : D(7) E(13) N(3) Q(6)
 Large polar : K(19) R(2) H(11)
 Small non-polar : S(5) T(7) A(15) G(15)
 Large non-polar : L(17) I(9) V(7) M(2) F(7) Y(2) W(2)
 Special : C(0) P(4)

K[16] + 42.04 K[42] + 42.04 K[45] + 42.04 K[47] + 42.04
 K[50] + 42.04 K[56] + 42.04 K[62] + 42.04 K[63] + 42.04
 K[77] + 42.04 K[78] + 42.04 K[79] + 42.04 K[87] + 42.04
 K[96] + 42.04 K[98] + 42.04 K[102] + 42.04 K[118] + 42.04
 K[133] + 42.04 K[145] + 42.04 K[147] + 42.04

1 GLSDGEWQQVVLNVWGVEADIAGHGQEVLI 30
 31 R l f t g h p e t l e f d f h l t e a e m a s e d 60
 61 l h g t v v l t a l g g i l g h h e a e l p l a 90
 91 q s h a t h i p i y l e f i s d a i i h v l h s h p 120
 121 g n f g a d a q g a m t a l e l f r N D I A A Y E L G 150
 151 F Q G 153

(1) [1-31] = 3444.742 (2) [32-139] = 12692.649 (3) [140-153] = 1636.809

Fig. 8

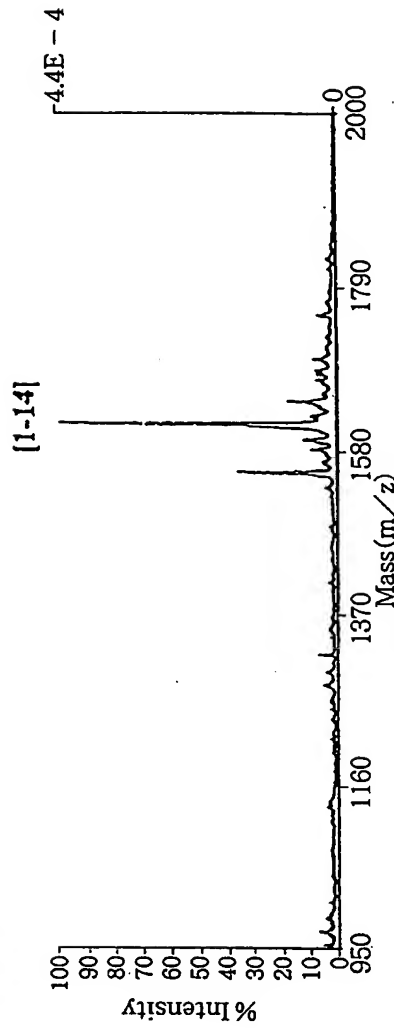
C-terminal Truncation Reaction

Sample: N-acetyl-Glu¹-Fibrino peptide

Ac-EGVNDNEEGFFSAR



Positive mode



Negative mode

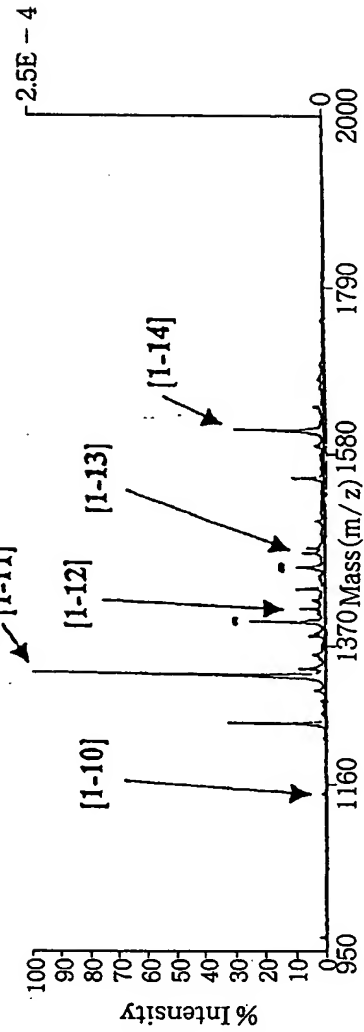


Fig. 9

List of Molecular weight (M+H)
of Fragment derived from Trypsin by Autolysis

| | |
|-----------|-----------|
| 759.4637 | 4860.3449 |
| 842.5100 | 4971.5791 |
| 906.5049 | 5151.3371 |
| 1006.4879 | 5228.5621 |
| 1045.5642 | 5501.8127 |
| 1469.7310 | 5618.6354 |
| 1736.8430 | 6039.8236 |
| 1768.7998 | 6139.8067 |
| 1869.0558 | |
| 2158.0313 | |
| 2211.1046 | |
| 2283.1807 | |
| 2457.2005 | |
| 2592.2914 | |
| 2624.3295 | |
| 2707.4168 | |
| 2950.5499 | |
| 3013.3243 | |
| 3145.5008 | |
| 3219.5124 | |
| 3309.7265 | |
| 3618.8372 | |
| 3900.8108 | |
| 4043.0040 | |
| 4133.2181 | |
| 4206.9820 | |
| 4475.2669 | |
| 4489.1168 | |
| 4596.2134 | |
| 4617.2117 | |
| 4732.2499 | |

note: Further peaks may be optionally observed at M+H+14 or M+H+28 which are due to methylation on Lysine residue. In addition, M+H being more than 3,500 is generally out of detectable range, but ion species from autolysis products having such a large molecular weight may be occasionally detected as ion species with $Z=2$ or 3 within the range of 3,500 or less. Thus, the peaks with $M+H > 3,500$ are also summarized in the list.